

**Download Files from Web [C#]**

This example shows how to **download files** from any website **to local disk**. The simply way how to download file is to use [WebClient](http://msdn2.microsoft.com/en-us/library/system.net.webclient.aspx) class and its method [DownloadFile](http://msdn2.microsoft.com/en-us/library/ez801hhe.aspx). This method has two parameters, first is the **url of the file** you want to download and the second parameter is **path to local disk** to which you want to save the file.

**Download File Synchronously**

The following code shows how to download file synchronously. This method blocks the main thread until the file is downloaded or an error occur (in this case the WebException is thrown).

[C#]

using System.Net;

WebClient webClient = new WebClient();

webClient.**DownloadFile**("http://mysite.com/myfile.txt", @"c:\myfile.txt");

**Download File Asynchronously**

To download file without blocking the main thread use asynchronous method [DownloadFileA­sync](http://msdn2.microsoft.com/en-us/library/ms144196.aspx). You can also set event handlers to **show progress** and to detect that the **file is downloaded**.

[C#]

private void btnDownload\_Click(object sender, EventArgs e)

{

WebClient webClient = new WebClient();

webClient.DownloadFileCompleted += new AsyncCompletedEventHandler(Completed);

webClient.DownloadProgressChanged += new DownloadProgressChangedEventHandler(ProgressChanged);

webClient.**DownloadFileAsync**(new Uri("http://mysite.com/myfile.txt"), @"c:\myfile.txt");

}

private void ProgressChanged(object sender, DownloadProgressChangedEventArgs e)

{

progressBar.Value = e.ProgressPercentage;

}

private void Completed(object sender, AsyncCompletedEventArgs e)

{

MessageBox.Show("Download completed!");

}